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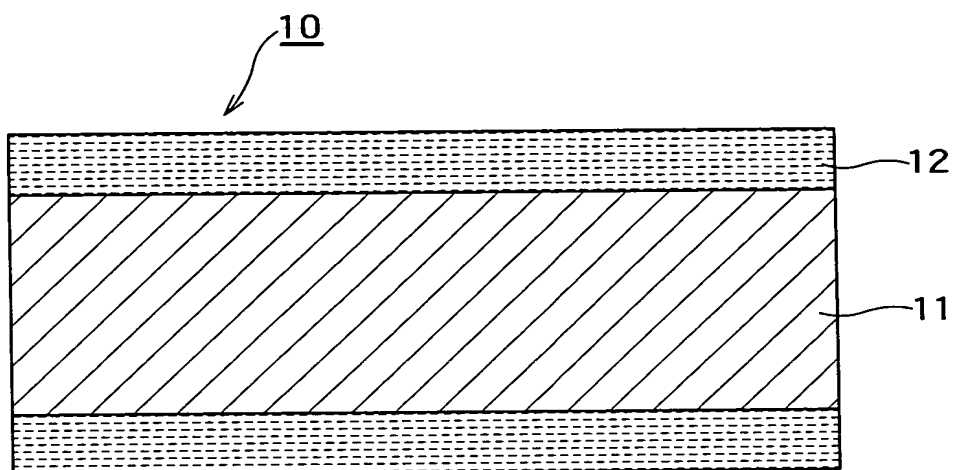


FIG. 1

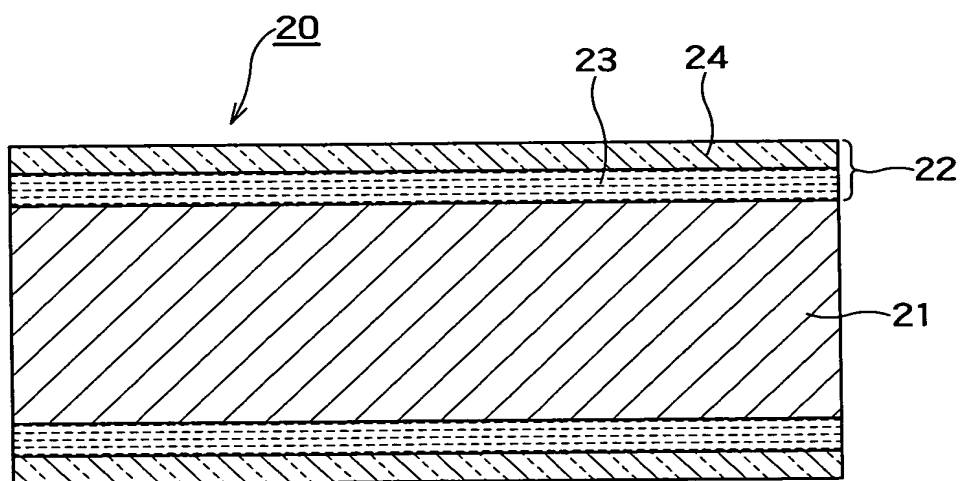


FIG. 2

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	COATING FILM MATERIAL	FILLER MATERIAL	AVERAGE PARTICLE SIZE (nm)	AMOUNT OF ADDITIVE (WEIGHT PART)	MIXING METHOD
EXAMPLE 1	PVF	STN	50	0.5	ATTRITOR
EXAMPLE 2	PVF	STN	50	2.0	ATTRITOR
EXAMPLE 3	PVF	STN	50	5.0	ATTRITOR
EXAMPLE 4	PVF	STN	50	5.0	ROLL
EXAMPLE 5	PVF	STN	50	10.0	ATTRITOR
EXAMPLE 6	PVF	STN	50	10.0	ROLL
EXAMPLE 7	PVF	STN	50	20.0	ATTRITOR
EXAMPLE 8	PVF	STN	1800	5.0	ATTRITOR
EXAMPLE 9	PVF	STN	5000	5.0	ATTRITOR
EXAMPLE 10	AI	STN	50	5.0	ATTRITOR
EXAMPLE 11	EI	STN	50	5.0	ATTRITOR
EXAMPLE 12	EI/AI	STN	50	5/0	ATTRITOR
EXAMPLE 13	EI/AI	STN	50	5/3	ATTRITOR
EXAMPLE 14	EI/AI	STN	50	0/5	ATTRITOR
EXAMPLE 15	EI	BN	200	5	ATTRITOR
COMPARATIVE EXAMPLE 1	PVF	-	-	-	-
COMPARATIVE EXAMPLE 2	AI	-	-	-	-
COMPARATIVE EXAMPLE 3	EI	-	-	-	-
COMPARATIVE EXAMPLE 4	EI/AI	-	-	-	-

(NOTE) PVF : POLYVINYL FORMAL  
AI : POLYAMIDE IMIDE  
EI : POLYESTER IMIDE  
STN,SWN : SYNTHETIC SMECTITE MICA  
BN : BORON NITRIDE

FIG. 3

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	FILM THICKNESS (mm)	FLEXIBILITY (WINDING ON ITSELF)	ADHESION	V-t CHARACTERISTIC (min)	THERMAL DEGRADATION CHARACTERISTIC (BVD SURVIVAL PROBABILITY /°C·h)
EXAMPLE 1	0.033	◎	◎	50	-
EXAMPLE 2	0.033	◎	◎	120	-
EXAMPLE 3	0.033	◎	◎	661	54/200×168
EXAMPLE 4	0.035	◎	◎	4885	43/200×168
EXAMPLE 5	0.035	△	△	5600	-
EXAMPLE 6	0.033	○	○	28350	42/200×168
EXAMPLE 7	0.035	×	×	-	-
EXAMPLE 8	0.035	△	△	365	-
EXAMPLE 9	0.034	×	×	-	-
EXAMPLE 10	0.033	◎	◎	854	68/300×168
EXAMPLE 11	0.036	○	○	>60000	64/280×240
EXAMPLE 12	0.035	◎	◎	>60000	-
EXAMPLE 13	0.036	◎	○	>60000	-
EXAMPLE 14	0.035	◎	◎	6500	27/300×48
EXAMPLE 15	0.033	△	△	635	-
COMPARATIVE EXAMPLE 1	0.034	◎	◎	38	5/200×168
COMPARATIVE EXAMPLE 2	0.033	◎	◎	68	53/300×168
COMPARATIVE EXAMPLE 3	0.036	◎	◎	412	47/280×240
COMPARATIVE EXAMPLE 4	0.035	◎	◎	365	7/300×48

(NOTE) EVALUATION WAS MADE ON THE BASIS OF JIS C 3003.

FLEXIBILITY : ENAMELED WIRE WAS WOUND ON ITSELF.

ADHESION : THE NUMBER OF CRACKS OF ENAMELED WIRE SCRATCHED  
ABRUPTLY BY 20%

V-t CHARACTERESTIC : TIME FROM APPLICATION OF 2KV,10KHz TO  
STRANDED WIRE TO BREAK DOWN THEREOF.

THERMAL DEGRADATION : SUVIVAL PROBABILITY (%) MEASURED BY BREAK DOWN VOLTAGE  
OF STRANDED WIRE.

STRANDED WIRE IS THERMALLY DEGRADED IN A FURNACE FOR  
A PREDETERMINED TIME IN COMPARISON WITH STRANDED WIRE  
NOT THERMALLY DEGRADED.

TEMPERATURE DEPENDS ON MATERIAL SINCE  
HEAT-RESISTANCE DEPENDS ON MATERIAL.

FIG. 4